

## IN THE SPECIFICATION

Please amend the specification by replacing the following paragraphs:

Replace the paragraph beginning on page 1, lines 20-22 with the following paragraph:

Serial No. 09/355,55909/359,559, entitled "SYSTEM FOR GENERATING, DISTRIBUTING AND RECEIVING AN INTERACTIVE USER INTERFACE," filed July 22, 1999; and

Replace the paragraph beginning on page 38, lines 3-8 with the following paragraph:

The output video sequences with the overlaid custom-IPG screens can be represented with a matrix representation, as described in the aforementioned U.S. Patent Application Serial No. 09/602,547, filed June 21, 2000[~~Attorney Docket No. 19880-001510~~]. Each column of the matrix can represent a group of pictures (GOP) corresponding to the video sequence with a particular custom-IPG screen overlaid on it. Typically, only the video portion changes with time and the custom-IPG portion does not change over the period of interest (i.e., the GOP).

Replace the paragraph beginning on page 38, lines 29-32, as follows:

These various data structures for generating output video sequences having the custom-IPG screens overlaid thereon are described in further detail in the aforementioned U.S. Patent Application Serial No. 09/602,547, filed June 21, 2000[~~Attorney Docket No. 19880-001510~~].

Replace the paragraph beginning on page 38, line 33 to page 39, line 6 with the following paragraph:

The generated output video sequences can also be efficiently multiplexed into a transport stream. In one embodiment, referred to as a "ganging structure", each output video sequence is sent via a respective PID. Three video PIDs (or a different number of video PIDs) can be combined with one audio PID and one data PID into a transport

stream. As many transport streams are generated as needed to send the required number of output video sequences. The ganging structure and other efficient structures are described in detail in ~~the aforementioned U.S. Patent Application Serial No. 09293,5266,754,905.~~

Replace the paragraph beginning on page 44, line 30 to page 45, line 2, with the following paragraph:

Slice-based encoding is described in U.S. Patent Application Serial No. 09/602,547, filed June 21, 2000 (Attorney Docket No. 19880-001510), entitled "EFFICIENT ENCODING ALGORITHMS FOR DELIVERY OF SERVER-CENTRIC IPG," filed June 21, 2000, and Serial No. 09/466,987, entitled "LATENCY REDUCTION IN PROVIDING IPG," filed December 10, 1999, both assigned to the assignee of the present invention, and incorporated herein by reference.

Replace the paragraph beginning on page 46, line 29 to page 47 line 5 with the following paragraph:

Information distribution system 2900 is described in U.S. Patent Application Serial No. 08/984,710, filed December 3, 1997 (now U.S. Patent No. 6,253,375, issued June 26, 2001), entitled "SYSTEM FOR INTERACTIVELY DISTRIBUTING INFORMATION SERVICES;" Serial No. 09/359,561, filed July 22, 1999 (Attorney Docket No. 19880-002300), entitled "METHOD AND APPARATUS FOR ENCODING A USER INTERFACE," "SERVICE PROVIDER SIDE IPG ENCODER," filed November 1, 1999; Serial No. 09/539,228, filed March 30, 2000 (Attorney Docket No. 19880-001630), entitled "MESSAGING PROTOCOL FOR DEMAND-CAST SYSTEM AND BANDWIDTH MANAGEMENT," filed March 30, 2000; and Serial No. 09/604,835, filed June 27, 2000 (Attorney Docket No. 19880-001210), entitled "SYSTEM AND METHOD FOR DELIVERY OF SHORT-TIME DURATION VIDEO SEGMENTS. [," filed June 27, 2000.] These patent applications are assigned to the assignee of the present invention and incorporated herein by reference. One specific implementation of the system 2900 is known as the DIVA™ System provided by DIVA Systems Corporation.

Replace the paragraph beginning on page 47, lines 17-23, with the following paragraph:

In system 2900, the program streams are addressed to particular STT locations that requested the information through an interactive menu. An interactive menu structure for requesting video-on-demand is disclosed in commonly assigned U.S. Patent Application Serial No. 08/084,427, filed December 3, 1997, 208,335. Another example of the interactive menu for requesting multimedia services is the interactive program guide (IPG) disclosed in commonly assigned U.S. Patent Application Serial No. 60/093,891, filed in July 23, 1998.

Replace the paragraph beginning on page 49, lines 28-33, with the following paragraph:

For a server-centric system, since the program guide database resides at the head end in, a two-way communication system via a back-channel 2964, from the STT 2906 through the distribution system 2904 to the head end 2902, is utilized to support the search features described above. The back-channel 2964 can be used to sent send search requests and search criteria (e.g., keywords) from the STT 2906 to the head end 2902.